2590
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OIPE

RAW SEQUENCE LISTING   DATE: 11/20/2001
PATENT APPLICATION: US/09/808,310   TIME: 10:01:11

Input Set : A:\40301201.app
Output Set: N:\CRF3\11202001\I808310.raw

ENTERED

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 3 <110> APPLICANT: Benson, Timothy E
 5 <120> TITLE OF INVENTION: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF
 6       GLYCOSYLATED HUMAN BETA SECRETASE, AN ENZYME IMPLICATED
 7       IN ALZHEIMER'S DISEASE
 9 <130> FILE REFERENCE: 00403.CP
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/808,310
12 <141> CURRENT FILING DATE: 2001-03-14
14 <150> PRIOR APPLICATION NUMBER: 09/747,421
15 <151> PRIOR FILING DATE: 2000-12-23
17 <160> NUMBER OF SEQ ID NOS: 1
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
.22 <211> LENGTH: 385
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
27 Glu Met Val Asp Asn Leu Arg Gly Lys Ser Gly Gln Gly Tyr Tyr Val
28   1               5                  10                  15
30 Glu Met Thr Val Gly Ser Pro Pro Gln Thr Leu Asn Ile Leu Val Asp
31          20                  25                  30
33 Thr Gly Ser Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu
34          35                  40                  45
36 His Arg Tyr Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg
37       50                  55                  60
39 Lys Gly Val Tyr Val Pro Tyr Thr Gln Gly Lys Trp Glu Gly Glu Leu
40   65                  70                  75                  80
42 Gly Thr Asp Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg
43              85                  90                  95
45 Ala Asn Ile Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly
46              100                 105                 110
48 Ser Asn Trp Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg
49          115                 120                 125
51 Pro Asp Asp Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr
52       130                 135                 140
54 His Val Pro Asn Leu Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro
55 145                 150                 155                 160
57 Leu Asn Gln Ser Glu Val Leu Ala Ser Val Gly Gly Ser Met Ile Ile
58          165                 170                 175
60 Gly Gly Ile Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro
61          180                 185                 190
63 Ile Arg Arg Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile
64          195                 200                 205
66 Asn Gly Gln Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys
67       210                 215                 220
69 Ser Ile Val Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val
70 225                 230                 235                 240
72 Phe Glu Ala Ala Val Lys Ser Ile Lys Ala Ala Ser Ser Thr Glu Lys
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73                    245                  250                  255
75 Phe Pro Asp Gly Phe Trp Leu Gly Glu Gln Leu Val Cys Trp Gln Ala
76                    260                  265                  270
78 Gly Thr Thr Pro Trp Asn Ile Phe Pro Val Ile Ser Leu Tyr Leu Met
79                    275                  280                  285
81 Gly Glu Val Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln
82      290                  295                  300
84 Tyr Leu Arg Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr
85 305                  310                  315                  320
87 Lys Phe Ala Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val
88                    325                  330                  335
90 Ile Met Glu Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile
91             340                  345                  350
93 Gly Phe Ala Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala
94             355                  360                  365
96 Ala Val Glu Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr
97      370                  375                  380
99 Asn
100 385
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VERIFICATION SUMMARY   DATE: 11/20/2001
PATENT APPLICATION: **US/09/808,310**   TIME: 10:01:12

Input Set : **A:\40301201.app**
Output Set: **N:\CRF3\11202001\I808310.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number